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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/599,987

10/16/2006

Seok-Bae Seo

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52706

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IPLA P.A.

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EXAMINER

THIER, MICHAEL

ART UNIT

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2617

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/599,987	<b>Applicant(s)</b> SEO, SEOK-BAE	
	<b>Examiner</b> MICHAEL T. THIER	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 1-6, 8-16 and 18-21 is/are rejected.
- 7) ☒ Claim(s) 7 and 17 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 October 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☒ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                       | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Priority***

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Korean on 4/22/2004. It is noted, however, that applicant has not filed a certified copy of the 10-2004-0027979 application as required by 35 U.S.C. 119(b).

### ***Information Disclosure Statement***

2. The information disclosure statement (IDS) submitted on 10/16/2006 has been entered and considered by the examiner.

### ***Claim Objections***

3. Claims 12-13 are objected to because of the following informalities: Claims 12-13 contain random parenthesis and asterisk marks. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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5. Claims 1-6, 8-16, and 18-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Korean Publication 2002-73865 (hereinafter Lee, the examiner notes the use of a US translation of the application filed for this publication for the following citations) in view of Korean Publication 2003-5085 (hereinafter Dadream, the examiner notes the use of a US translation of the application filed for this publication for the following citations).

**Regarding claim 1.** Lee teaches a method of providing call number owner's information of wire/wireless communication terminal through information communication network (title, abstract) , the method comprising:

(a) the stage that the system receives at least the information that include call number and call number owner's name or firm name from many call number owner's terminal and stores it (Lee abstract and 2<sup>nd</sup> page of the translation Structure and Function of the Invention (device) section, i.e. the user sends their profile from their mobile to the profile DP for storage and the joining member inputs their telephone number of the receiver.);

(b) the stage that the system receives call number for which the owner's information is transmitted from the call number management program run on communication terminal and stores it (Lee abstract and 2<sup>nd</sup> page of the translation Structure and Function of the Invention (device) section, i.e. the user sends their profile to the profile DB for storage and the joining member inputs their telephone number of the receiver);

However, he does not specifically disclose (c) the state that the system reads call

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number owner's information corresponding with call number and transmits to the call number management program; and (d) the stage that the call number management program pairs and the owner's information and automatically generates the call number list and stores in the memory of communication terminal.

Dadream teaches a method and system for automatically storing user information in a mobile communication terminal (title and abstract). He teaches the idea of: (c) the state that the system reads call number owner's information corresponding with call number and transmits to the call number management program (page 3 of the translation, 14<sup>th</sup> paragraph following the header "The Structure and Function of the Invention (Device)", starting with "In fig. 1, after the requester...", i.e. the user inputs a phone number and connects to the information providing server, the information providing server then transmits the object to the mobile communication terminal); and (d) the stage that the call number management program pairs and the owner's information and automatically generates the call number list and stores in the memory of communication terminal (page 3 of the translation, 15<sup>th</sup> paragraph following the header "The Structure and Function of the Invention (Device)", starting with "Moreover, the information...", i.e. further the requester presses the save key and the information received from the server is stored in the memory of the mobile communication device).

Therefore it would have been obvious for one of ordinary skill in the art at the time of invention to utilize the teachings as in Dadream with the teachings as in Lee. The motivation for doing so would have been to allow for automatically storing additional information in a mobile communications terminal relating to a contact stored in the

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mobile (Dadream, 2<sup>nd</sup> page of the translation, Technical Problems Solved by the Invention).

**Regarding claim 11.** Lee teaches a system which transmits the data which has call number owner's information and call number of the communication terminal which has the call number management program which automatically generates the list through the information communication network (title, abstract), the call number owner's information-providing system that has comprising:

(a) call number management server which stores data which is collected by many users through call number management web site and consists of at least call number and call number owner's name or firm name stored in the database (page 2 of the translation Structure and Function of the Invention (device) section, i.e. the user sends their profile to the profile DB for storage and the joining member inputs their telephone number of the receiver).

However, he does not specifically disclose (b) the call number information-providing server which receives from call number management program run on the communication terminal and reads from database which has call number owner's information list corresponding with the call number received and transmits the information to the call number management program.

Dadream teaches a method and system for automatically storing user information in a mobile communication terminal (title and abstract). He teaches the idea of: (b) the call number information-providing server which receives from call number management program run on the communication terminal and reads from database

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which has call number owner's information list corresponding with the call number received and transmits the information to the call number management program. (page 3 of the translation, 14<sup>th</sup> paragraph following the header "The Structure and Function of the Invention (Device)", starting with "In fig. 1, after the requester...", i.e. the user inputs a phone number and connects to the information providing server, the information providing server then transmits the object to the mobile communication terminal for storage in the mobile terminal)

Therefore it would have been obvious for one of ordinary skill in the art at the time of invention to utilize the teachings as in Dadream with the teachings as in Lee. The motivation for doing so would have been to allow for automatically storing additional information in a mobile communications terminal relating to a contact stored in the mobile (Dadream, 2<sup>nd</sup> page of the translation, Technical Problems Solved by the Invention).

**Regarding claim 21.** Lee teaches a communication terminal (title and abstract) which creates communication channel with call number information-providing server which has database (page 2 of the translation Structure and Function of the Invention (device) section, i.e. the user sends their profile to the profile DB for storage and the joining member inputs their telephone number of the receiver, therefore a communication channel is made with the server that has a database).

However, he does not specifically disclose pairing call number and the owner's information, then gets the call number owner's information just by call number and generates call number list automatically, the communication terminal which has memory

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and call number management program receives call number from user, transmits the number through information communication network, pairs call number and call number owner's information and finally stores them in the memory after call number information-providing server reads the call number owner's information by querying the database which has call number information list.

Dadream teaches a method and system for automatically storing user information in a mobile communication terminal (title and abstract). He teaches the idea pairing call number and the owner's information (page 3 of the translation, 14<sup>th</sup> paragraph following the header "The Structure and Function of the Invention (Device)", starting with "In fig. 1, after the requester...", i.e. the user inputs a phone number and connects to the information providing server, the information providing server then transmits the object to the mobile communication terminal for storage in the mobile terminal, therefore the number and information are paired), then gets the call number owner's information just by call number and generates call number list automatically page 3 of the translation, 14<sup>th</sup> paragraph following the header "The Structure and Function of the Invention (Device)", starting with "In fig. 1, after the requester...", i.e. the user inputs a phone number and connects to the information providing server, the information providing server then transmits the object to the mobile communication terminal for storage in the mobile terminal, i.e. stored in the mobile phone book), the communication terminal which has memory and call number management program receives call number from user (page 3 of the translation, 14<sup>th</sup> paragraph following the header "The Structure and Function of the Invention (Device)", starting with "In fig. 1,



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after the requester...", i.e. the user inputs a phone number), transmits the number through information communication network, pairs call number and call number owner's information and finally stores them in the memory after call number information-providing server reads the call number owner's information by querying the database which has call number information list. (page 3 of the translation, 14<sup>th</sup> paragraph following the header "The Structure and Function of the Invention (Device)", starting with "In fig. 1, after the requester...", i.e. the user inputs a phone number and connects to the information providing server, the information providing server then transmits the object to the mobile communication terminal for storage in the mobile terminal.)

Therefore it would have been obvious for one of ordinary skill in the art at the time of invention to utilize the teachings as in Dadream with the teachings as in Lee. The motivation for doing so would have been to allow for automatically storing additional information in a mobile communications terminal relating to a contact stored in the mobile (Dadream, 2<sup>nd</sup> page of the translation, Technical Problems Solved by the Invention).

**Regarding claim 2.** Dadream further teaches providing call number owner's information which has features of having category information as additive information through wire/wireless communication terminal. (page 2 of translation, last paragraph, i.e. information telephone number, or date of birth, email, names photographs, thus different categories of information)

**Regarding claim 3.** Dadream further teaches wherein the information that has call number owner's e-mail address, residence (firm) address, home page address,

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image address, sketch map or selective combinations of these through wire/wireless communication terminal. (page 2 of translation, last paragraph, i.e. information telephone number, or date of birth, email, names photographs)

**Regarding claim 4.** Dadream further teaches the method provides the image information which can be call number owner's photograph or advertisement image through wire/wireless communication terminal. (page 2 of translation, last paragraph, i.e. photographs)

**Regarding claim 5.** Dadream further teaches the method provides the call number owner's information having additive information described above through wire/wireless communication terminal. (title and abstract and page 2 of translation)

**Regarding claim 6.** Dadream further teaches the method has feature of pairing call number whose owner's information was transmitted to the call number management program and with the communication terminal number, backs up and provides the call number owner's information through wire/wireless communication terminal. (page 3 of the translation, 14<sup>th</sup> paragraph following the header "The Structure and Function of the Invention (Device)", starting with "In fig. 1, after the requester...", i.e. the user inputs a phone number and connects to the information providing server, the information providing server then transmits the object to the mobile communication terminal for storage in the mobile terminal phonebook.)

**Regarding claim 8.** Dadream further teaches the method provides the call number which is one of call number of absent call list, list of received call or list of sent call which were stored in the memory of the communication terminal by the

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wire/wireless communication terminal. (page 2 of translation, i.e. the user inputs the telephone number and it is then stored in the device, then the device contacts the server, thus the number provided can be read as a number from a list of sent calls stored in memory of the mobile)

**Regarding claim 9.** Dadream further teaches the call number information-providing server provides call number which has feature of being entered by the communication terminal user directly by wire/wireless communication terminal. (page 3 of translation, i.e. the user inputs the telephone number using the mobile communications terminal)

**Regarding claim 10.** Dadream further teaches the communication terminal has feature of being mobile communication terminal or wire digital phone provides call number owner's information by wire/wireless communication terminal. (title, and abstract, i.e. mobile telecommunications terminal)

**Regarding claim 12.** Dadream further teaches the call number owner's information has feature of having information of owner's e-mail address, residence firm address, home page address, image information, sketch map or selective combination of these. (page 2 of translation, last paragraph, i.e. email address, photograph)

**Regarding claim 13.** Dadream further teaches the call number owner information-providing server provides the owner's information which has the feature of having e-mail address, residence address firm address, home page address, image information, sketch map or selective combination of these as additional information. (page 2 of translation, last paragraph, i.e. email address, photograph)

**Regarding claim 14.** Dadream further teaches the call number owner's information-providing system has feature of providing image information of call number owner's photograph or advertisement image. (page 2 of translation, last paragraph, i.e. photograph)

**Regarding claim 15.** Lee and Dadream teach the limitations of the previous claim. However, they do not specifically disclose the call number owner's information-providing system provides the information that has information about the mode of opening the information. The examiner however takes official notice that the idea of the call number owner's information-providing system provides the information that has information about the mode of opening the information was well known and obvious to one of ordinary skill in the art at the time of invention. The idea of providing information about the mode of opening information being sent is extremely well known and widely used in the wireless communications art and would have been obvious to one of ordinary skill in the art at the time of invention in order to allow the mobile to understand how to use the information it is receiving.

**Regarding claim 16.** Dadream further teaches the call number owner's information-providing system has feature of pairing call number owner whose owner's information was sent to the call number management program and communication terminal number and then storing in the database. (page 3 of the translation, 14<sup>th</sup> paragraph following the header "The Structure and Function of the Invention (Device)", starting with "In fig. 1, after the requester...", i.e. the user inputs a phone number and connects to the information providing server, the server provides the mobile with

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information based on the provided phone number, thus information is paired and stored with the call number in the database)

**Regarding claim 18.** Dadream further teaches the call number owner's information-providing system provides call number which has feature of being number of one of absent call list, received call list or sent call list. (page 2 of translation, i.e. the user inputs the telephone number and it is then stored in the device, then the device contacts the server, thus the number provided can be read as a number from a list of sent calls stored in memory of the mobile)

**Regarding claim 19.** Dadream further teaches wherein the call number owner's information-providing system provides call number owner's information which has feature of being the number entered directly by the communication terminal user. (page 3 of translation, i.e. the user inputs the telephone number using the mobile communications terminal)

**Regarding claim 20.** Dadream further teaches wherein in the call number owner's information-providing system the communication terminal can be a mobile communication terminal or a wire digital phone. (title, abstract, i.e. mobile communication terminal)

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL T. THIER whose telephone number is

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(571)272-2832. The examiner can normally be reached on Monday thru Friday 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MICHAEL T THIER/  
Examiner, Art Unit 2617  
3/18/2010